

**SELECTIVE ADSORPTION OF ALKENES USING  
SUPPORTED METAL COMPOUNDS**

**Abstract of the Disclosure**

5       The invention provides novel adsorbents for use in the separation of  
unsaturated hydrocarbons from a mixture of gases containing such hydrocarbons.  
The preferred adsorbents comprise metal compounds supported on high surface area  
carriers. The adsorbents of the invention are usable in pressure swing adsorption or  
temperature swing adsorption processes.

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